

FIG. 1A

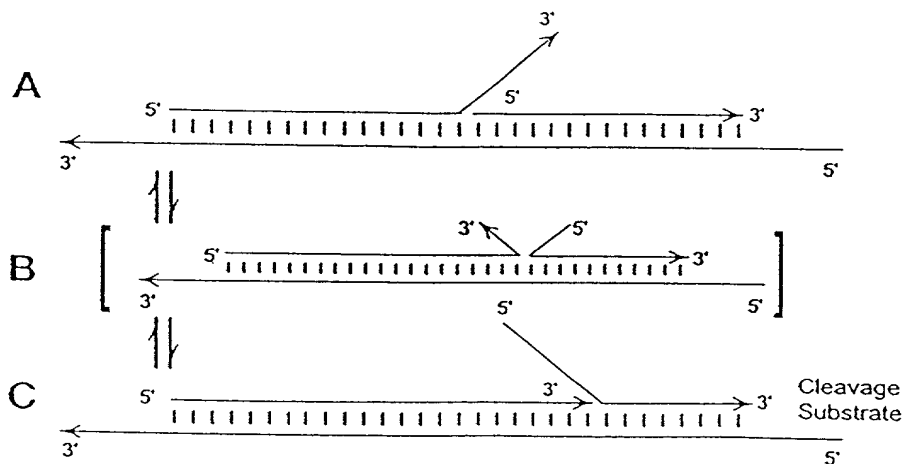


FIG. 1B

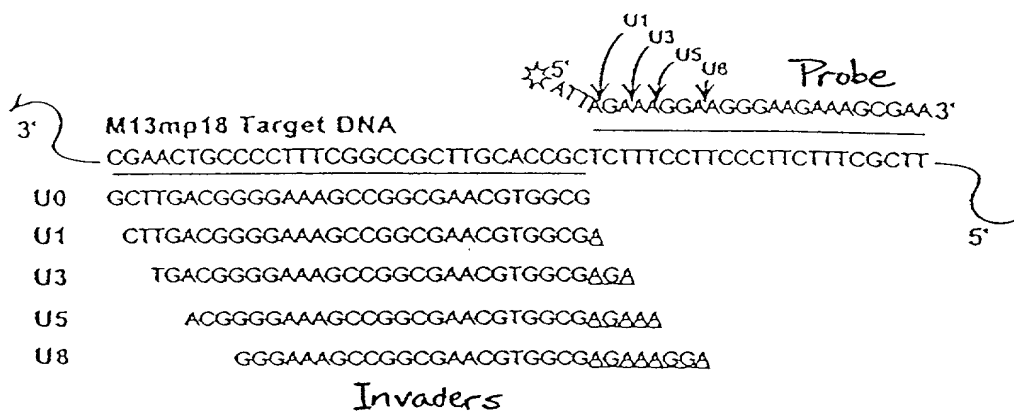
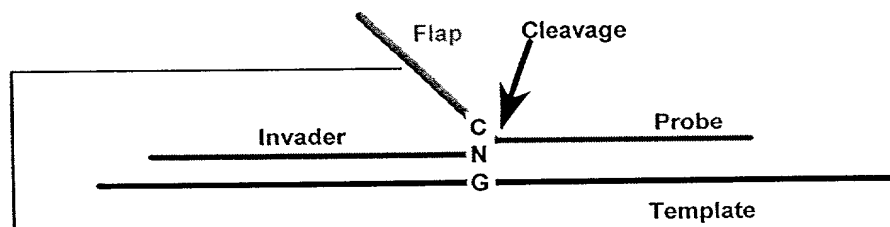
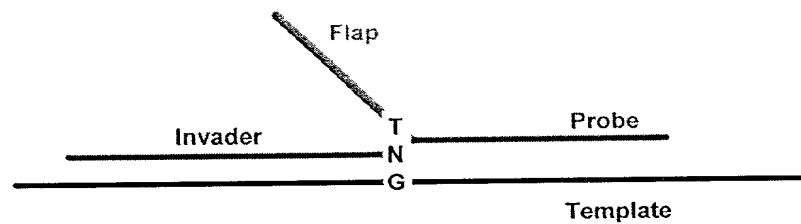


FIG. 2

Primary Invader Reaction

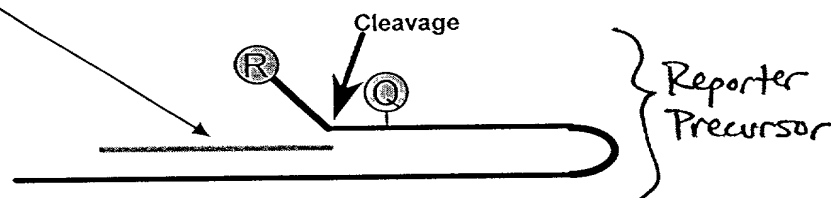


Cleavage because Invader disrupts duplex between Template and Probe



No cleavage because no disruption of base pairs between Template and Probe

Secondary Invader Reaction



Flap from Primary Invader Reaction becomes Invader for Secondary Reaction.
Cleavage liberates Reporter from Quencher, thus generating fluorescent signal.

FIG. 3

Invader Assay - MTHFR 677T Allele - 9/22/99

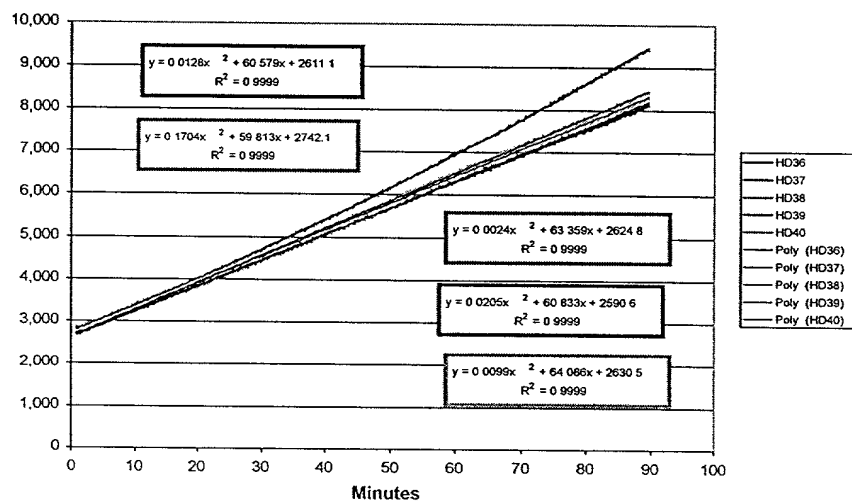


FIG. 4

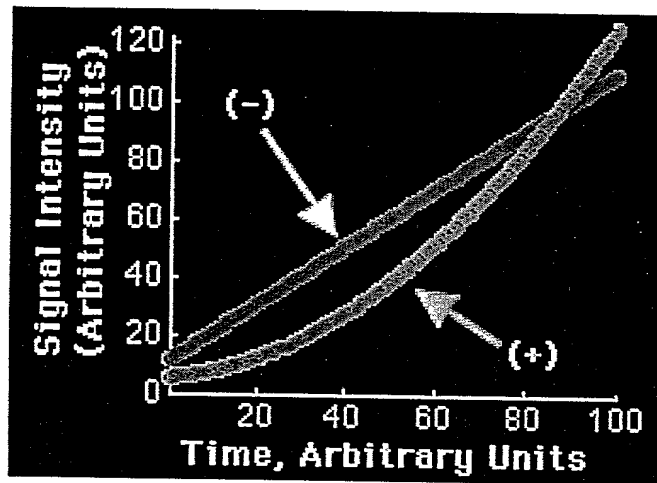


FIG. 5

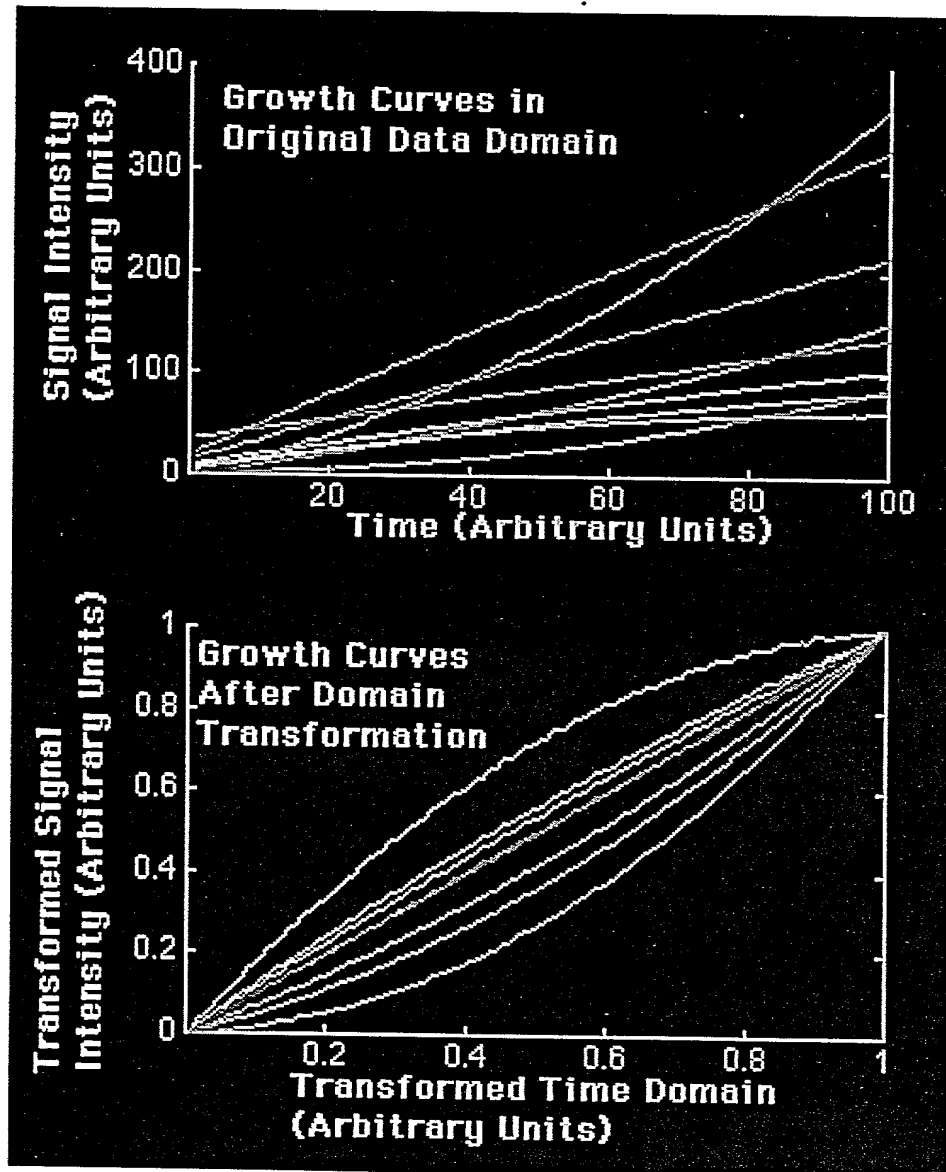
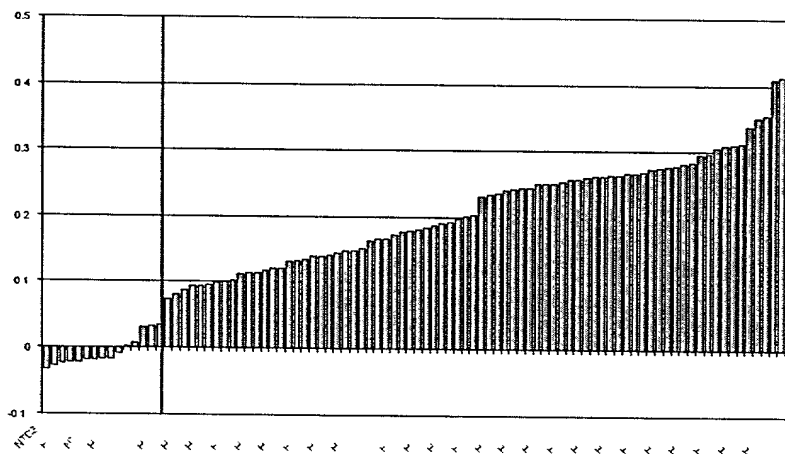


FIG. 6

C Reaction 2b Coefficients



T Reaction 2b Coefficients

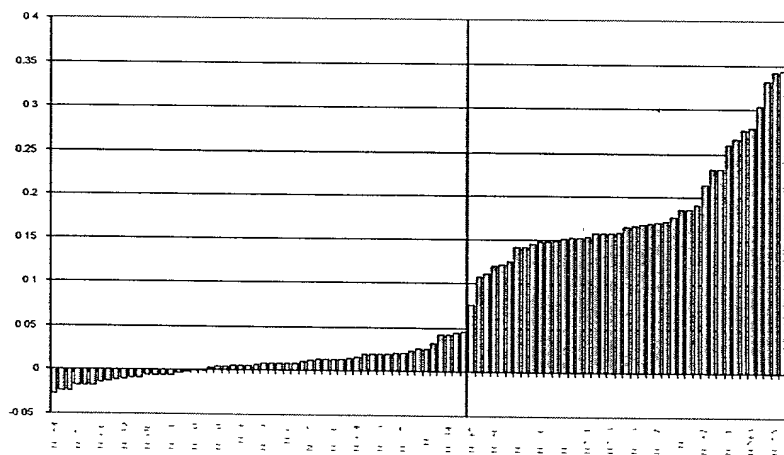


FIG. 7

